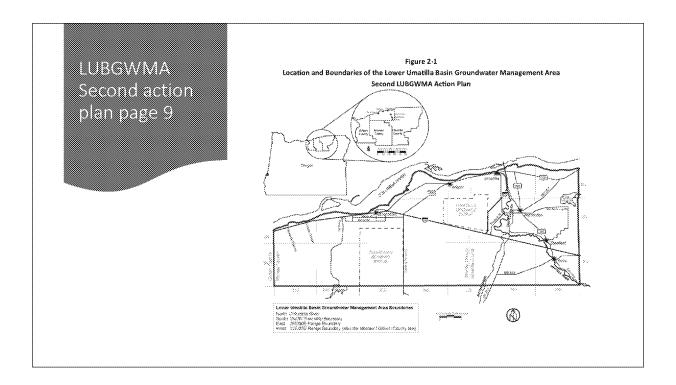


Briefing paper attached to agenda.

Slides taken from APPX



WHO: Food & Water Watch & 8 other entities

What: largely concerned about persistent MCL exceedance of nitrates in GW & CAFOs

LUGWMA includes 562 square miles in Nothern Umatilla & Morrow Counties (communities of Echo, Stanfield, Hermiston, Umatilla, Irrigon & Boardman)

87,062 people in 2 counties.
ODEQ is lead for GWMA, designated ...

Morrow & Umatilla Co Soil and Water Conservation Districts are lead agencies for developing and implementing the Second Local Action Plan, designated by ODEQ

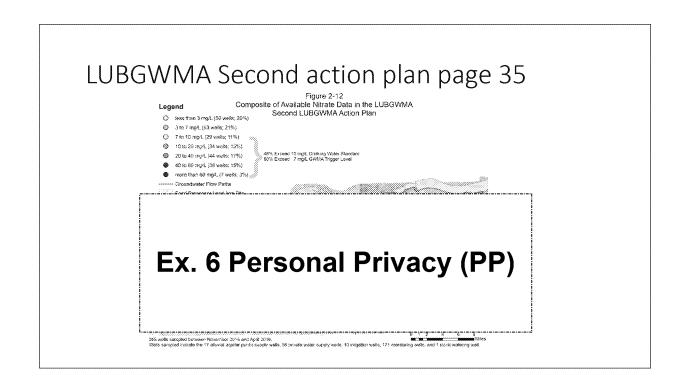
31,490 in LUBGWMA in 6 urban grown boundaries, plus

14,830 est in rural areas GWMA

## Summary of Initial Review

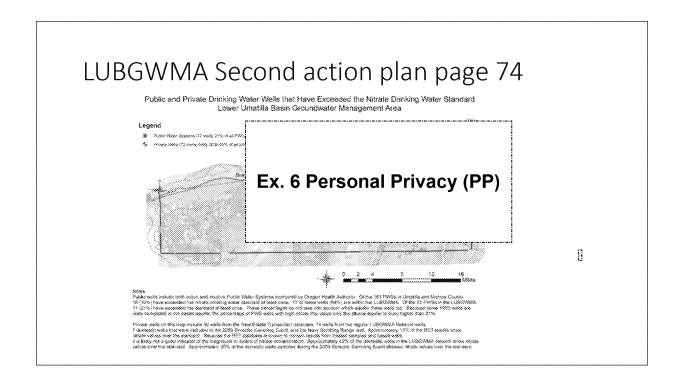
- Petitioner concerns: CAFOs & public health risks form persistent, elevated nitrates
- EPA review on potential for imminent and substantial endangerment of drinking water
   Sources of contamination, PWSs, & Private wells
- (estimated) 30-40 percent of residential drinking water wells LUBGWMA exceed the
  national primary drinking water standards for public water supply systems. While not
  enforceable at private wells, the standard for nitrate of 10 ppm is widely accepted as a
  public health threshold.
- Data from the LUBGWMA from 1992-2016 shows domestic well water with 20 to 40 ppm nitrate but is unclear if wells have treatment, universe of wells & current status.
- The Second Action Plan (2019) for the LUBGWMA plan includes outreach on private wells

   with questions if actions are sufficient to protect the population of people that use the groundwater for domestic drinking water.



## Petitioner Concerns, incl:

"48%" (high) percentage of private residents exposed to nitrates above safe levels Proposal by ODA to permit another CAFO in location of former Lost Valley Dairy (exacerbated problems) 30 year problem with no progress



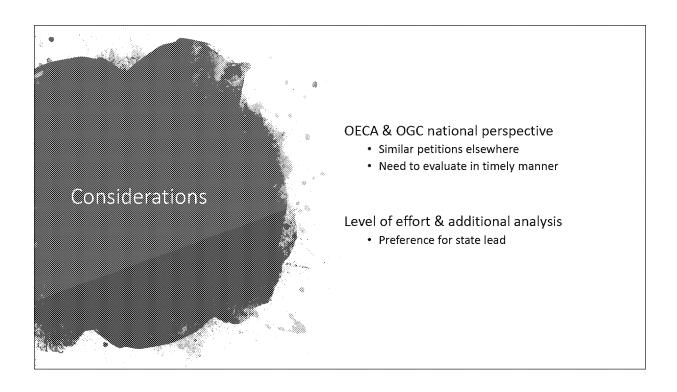
## See Footnotes:

Legend: "Private wells (72 wells; likely 30 to 40% of all private wells)" -- [EL S COLLISCON PROCESS [DP]] | Wells? NEED TO CLARIFY...

Approximately 30% of domestic wells sampled during 2009 exceeded MCL

"Approximately 42% of the domestic wells in the LUBGWMA network show nitrate above the standard"

NEED more clarity on universe of domestic wells, treatment, and current unaddressed exposure to high nitrates. NOTE: 2nd Action Plan (2019) has action directed at additional outreach/funding/awareness for private wells.





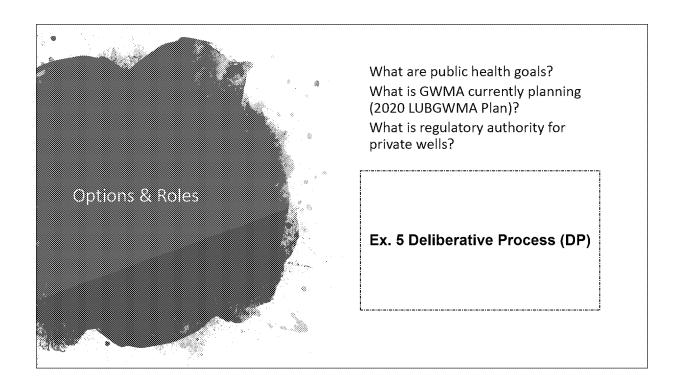
3/18: Meeting w/ODEQ, ODA, OHA

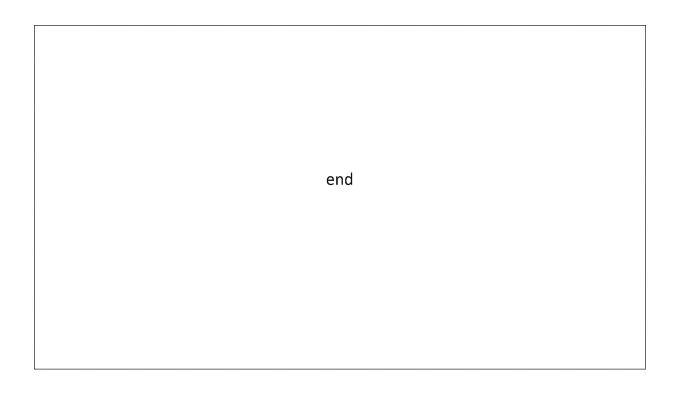
TBD: Listening session w/petitioners

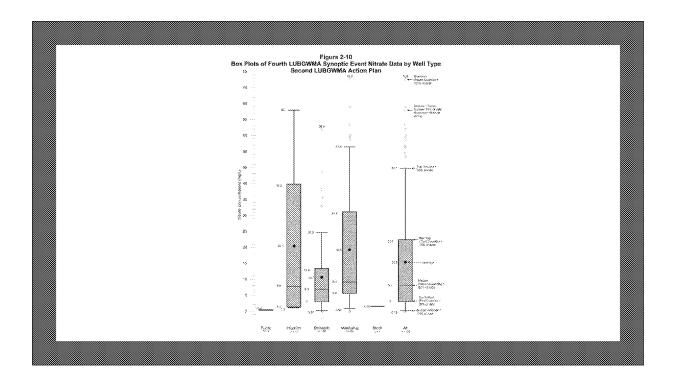
4/2: LUBGWMA Presentations by EPA (re: Yakima Dairies) & Food & Water Watch (petitioners)

TBD: Letters to/from ODEQ, ODA, OHA following 3/18 meeting

TBD: Written response to petitioner



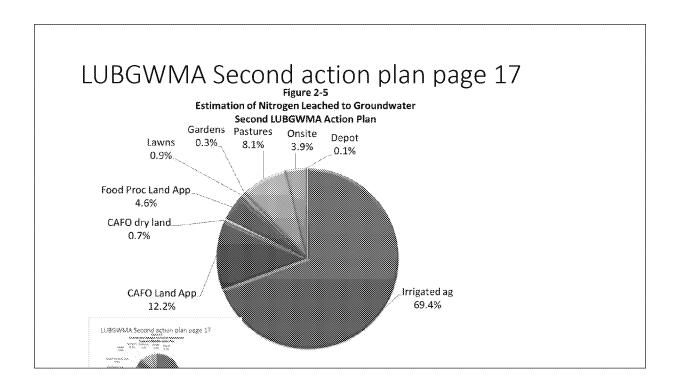




e.g. of data showing nitrtre exceedances in domestic drinking water wells versus other monitoring wells

Need further clarification on data, information & efforts on private drinking water wells Universe # of exceedances # w/treatment

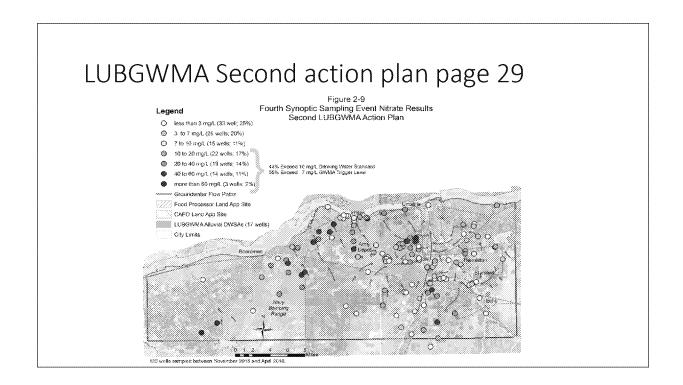
Assessment of unaddressed exposures.



Initial Review of Petitioners Claim re: nitrates & CAFOs

Look @ SOURCES, PWSs, & Private wells (w/focus on private wells/exposure)

THIS SLIDE .... Overview of sources .... Note next slide location of sources vs. well exceedances ....



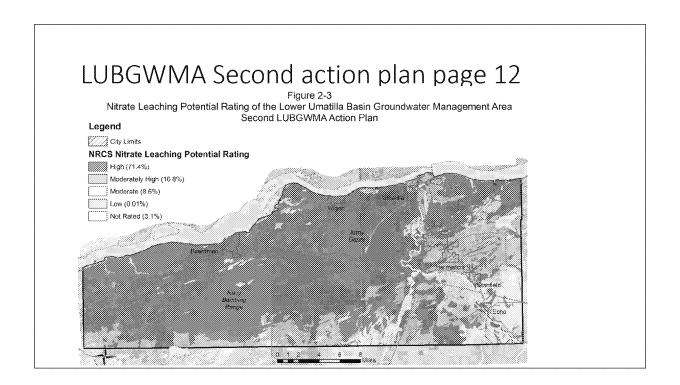
Overview of Sampling .... This slide Fourth Synoptic Sampling Event Nitrates

Previous Sampling ...

198 wells in 1990/1991 (Reconnaissance Sampling)

31 – 38 wells (LUBGWMA Well Network) - selection of wells mostly being private domestic wells, sampled 4-6 times/year 85 of 255 wells Synoptic Sampling Events) -- 1992, 2003, 2009, 2015/6

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ODEQ is lead for GWMA, designated ...

Morrow & Umatilla Co Soil and Water Conservation Districts are lead agencies for developing and implementing the Second Local Action Plan, designated by ODEQ>